1. Lasers

Use pages 290, 291, and the Internet to research information about **LASERS**. Answer the questions below.

1. What do the letters in “LASER” stand for?

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1. Who was the first person to process laser light?

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1. What year did the scientist first process laser light?

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1. How many years ago was this?

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1. What does frequency mean?

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1. What is a wavelength?

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1. Is LASER light “coherent” or “incoherent”?

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1. What does coherent mean?

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1. List 5 uses of LASERS.

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10. Think of a new way to uses LASERS. What would you use LASERS for to improve a product or to improve the life of people? Be creative.

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B. Choose **1** of the following. Research information. Answer the questions.

**Microwaves** or **X-Rays**

1. Who first studied/used it?

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1. How long is its wavelength?

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1. How is it used by people?

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1. List 2-3 devices that use it.

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1. How does it help people?

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1. Are there any safety concerns with using it?

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C. Research information about **LEDs.** Answer the questions.

1. What do the letters in LED stand for?

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1. How are they better that older light sources?

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1. List 5 uses or machines that use LEDs.

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